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Date: 12-28-99

By: CB

Charles K. Sholtz

18/B

DOCKET Nos.: 07953.0004.999 and PXE-002.US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF:

CONTAG, et al.

SERIAL NO.: 08/844,336

FILED: April 18, 1997

FOR: **BIODETECTORS TARGETED**

**TO SPECIFIC LIGANDS**

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EXAMINER: V. Ryan

ART UNIT: 1641

AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office action mailed June 28, 1999 in the above-identified application, please amend the application as follows.

IN THE SPECIFICATION:

Please replace the originally-filed specification with the enclosed substitute specification, consisting of 33 pages, including originally-filed claims and abstract.

IN THE CLAIMS:

Please amend claims 1 and 21, as follows:

1. (Amended) A biodetector for [the] detection of a selected substance comprising:

(a) a signal converting element, comprising an extracellular ligand-specific moiety and an intracellular signal

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